



Science Data Distribution

Mark Huber

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Science Data Distribution Description



Overview

The data distribution scenarios describe hard media distribution (writing to an 8mm tape) and data push fault. Pull distribution data is staged for the user to pull via ftp. Data is automatically deleted from staging after successful completion of the pull data or upon expiration of a designated hold period. Push distribution is supplied by the data server via ftp to user designated sites using user provided information. The DAAC Distribution Technician (DDT) is responsible for physical media distribution, e.g. mailing of an 8mm tape, resolving problems, monitoring electronic distribution operations, and coordinating with the appropriate external and internal sources to resolve distribution conflicts. The Distribution Technician responds to alerts that are automatically generated by distribution processing, using data server monitoring tools and MSS event log browsing tools. The workflow diagrams illustrate the viewing of pull volume information, hard media distribution (writing to an 8mm tape), pull volume purging with confirmation, and data push fault.

Assumptions

- The data distribution processes have been started via MSS life-cycle services.
- The system is operating in nominal (operational) mode, with all equipment operational.

Science Data Distribution Description



Scenario

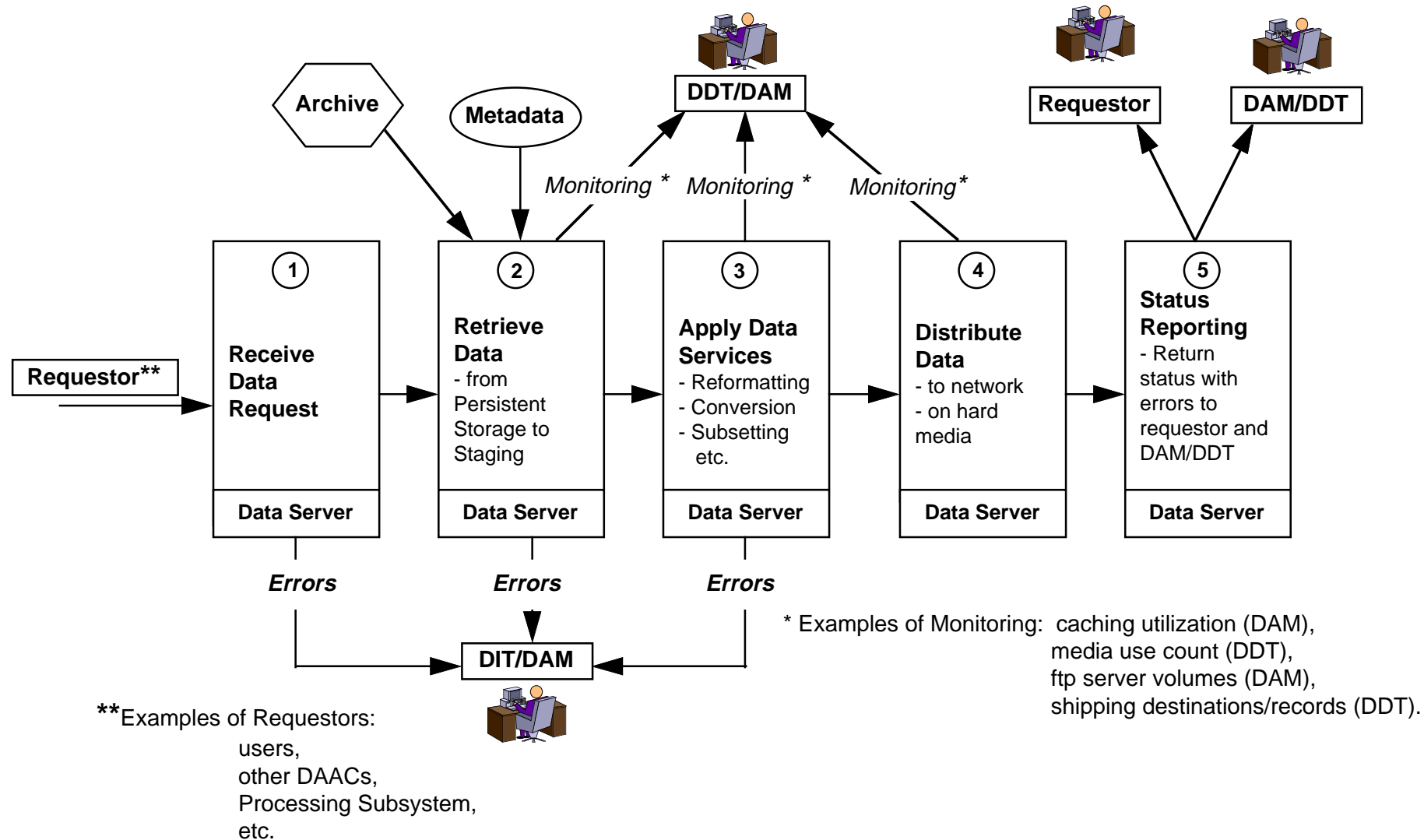
- The DIT/DDT monitors ongoing distribution activities.
- The DIT/DDT and DAM view pull volume information and purge the volume with confirmation.
- The DDT is prompted to mount an 8mm tape. When writing is finished the DDT picks up the shipping and media labels, and shipping lists, packages the tape and prepares for shipping.

604 Heritage

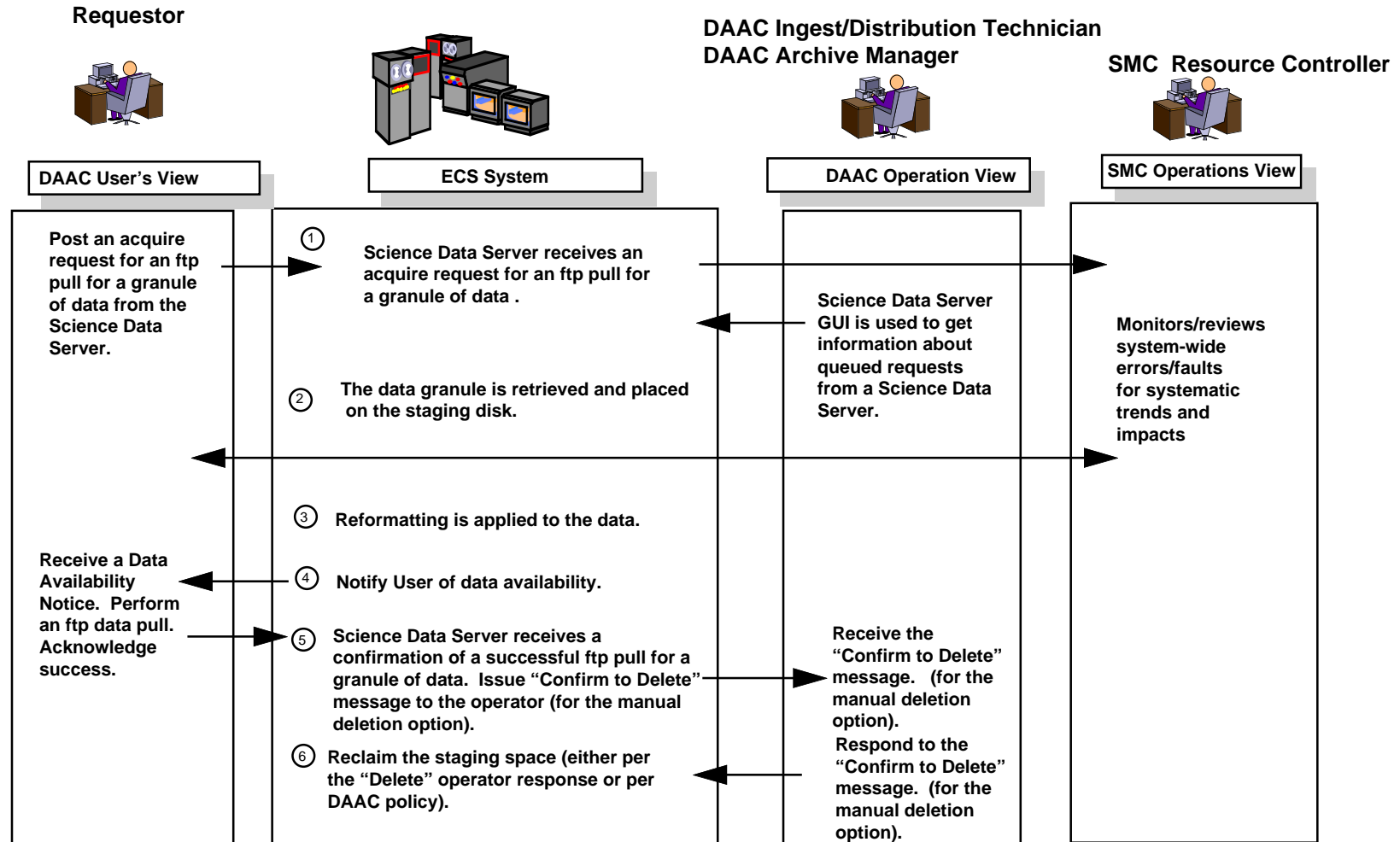
- Operations Concept for the ECS Project: Part 2B - ECS Release B 604-CD-002-002 (Science Data Archival Activities Scenarios)

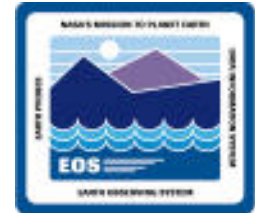
Science Data Distribution Activities

Functional Flow



Science Data Distribution (Pull) Activities Points of View

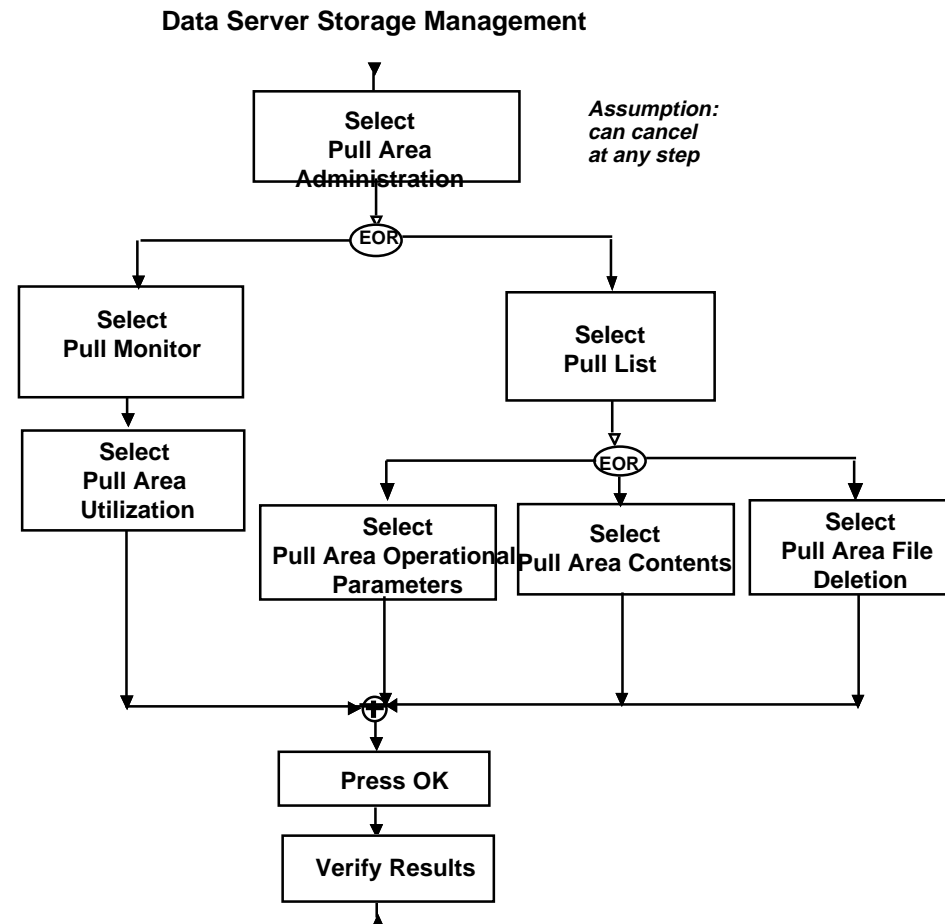




Science Data Distribution Workflow

Activity - Viewing Pull Volume Information and
- Pull Volume Purging with Confirmation

Role - DAAC Ingest/Distribution
Technician
- DAAC Archive Manager

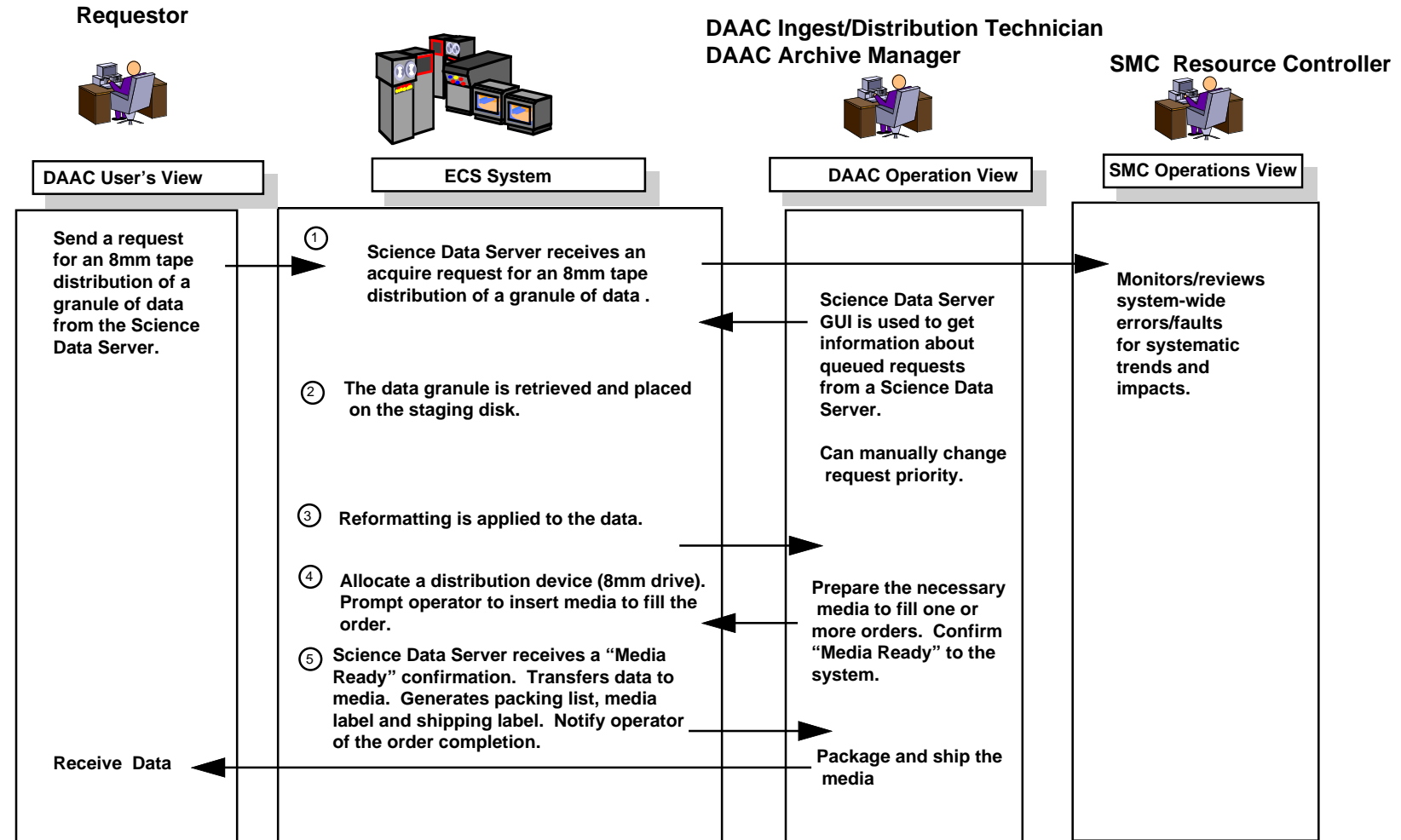


Science Data Distribution Data Activity

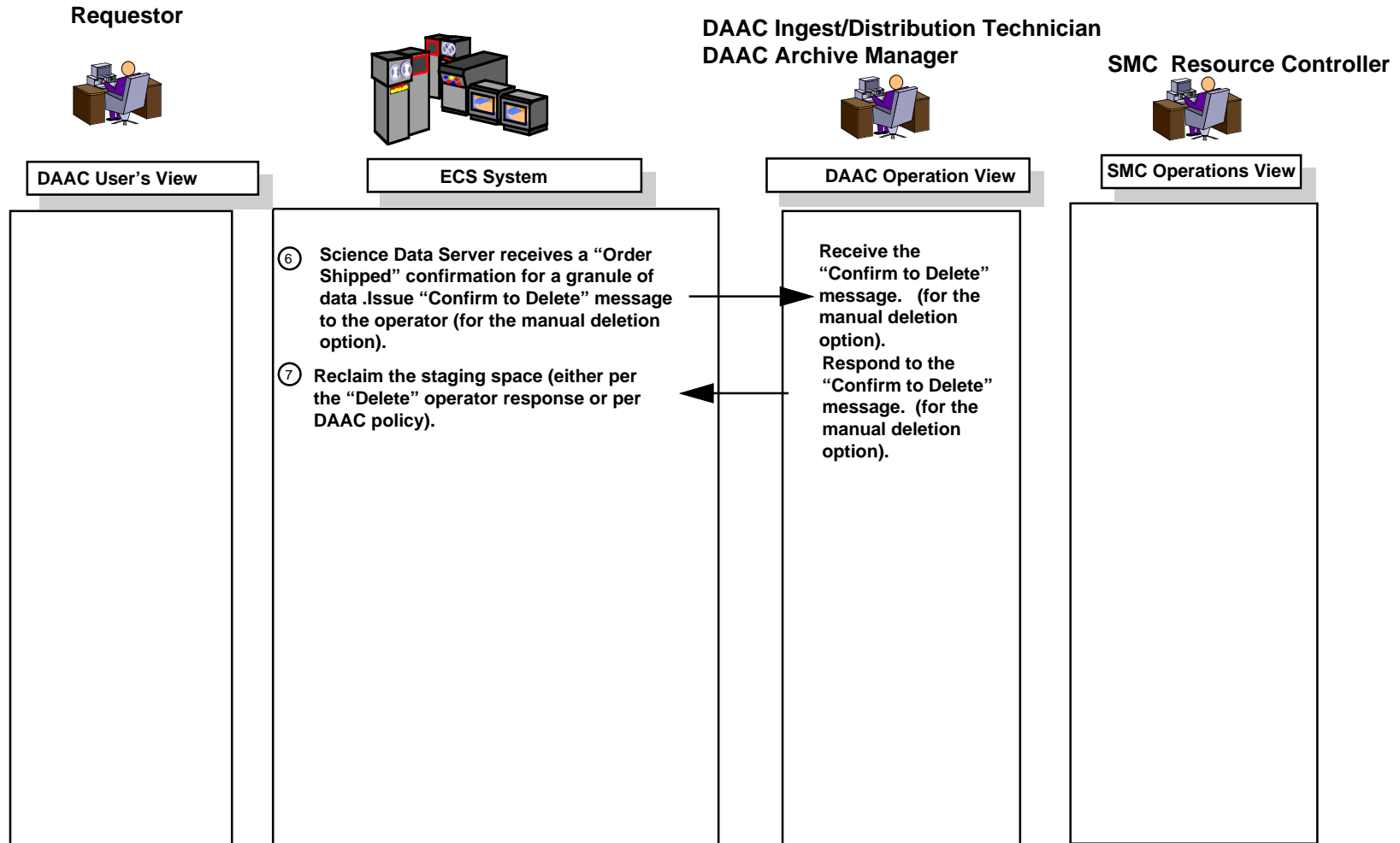
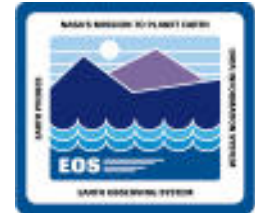


Distribution Operator Function	Data Element	Operator Interactions
Pull Area Administration	Pull Area Utilization Pull Area Operational Parameters Pull Area Contents Pull Area File Deletion	Display Input Display Input

Science Data Distribution (Hard Media) Activities Points of View



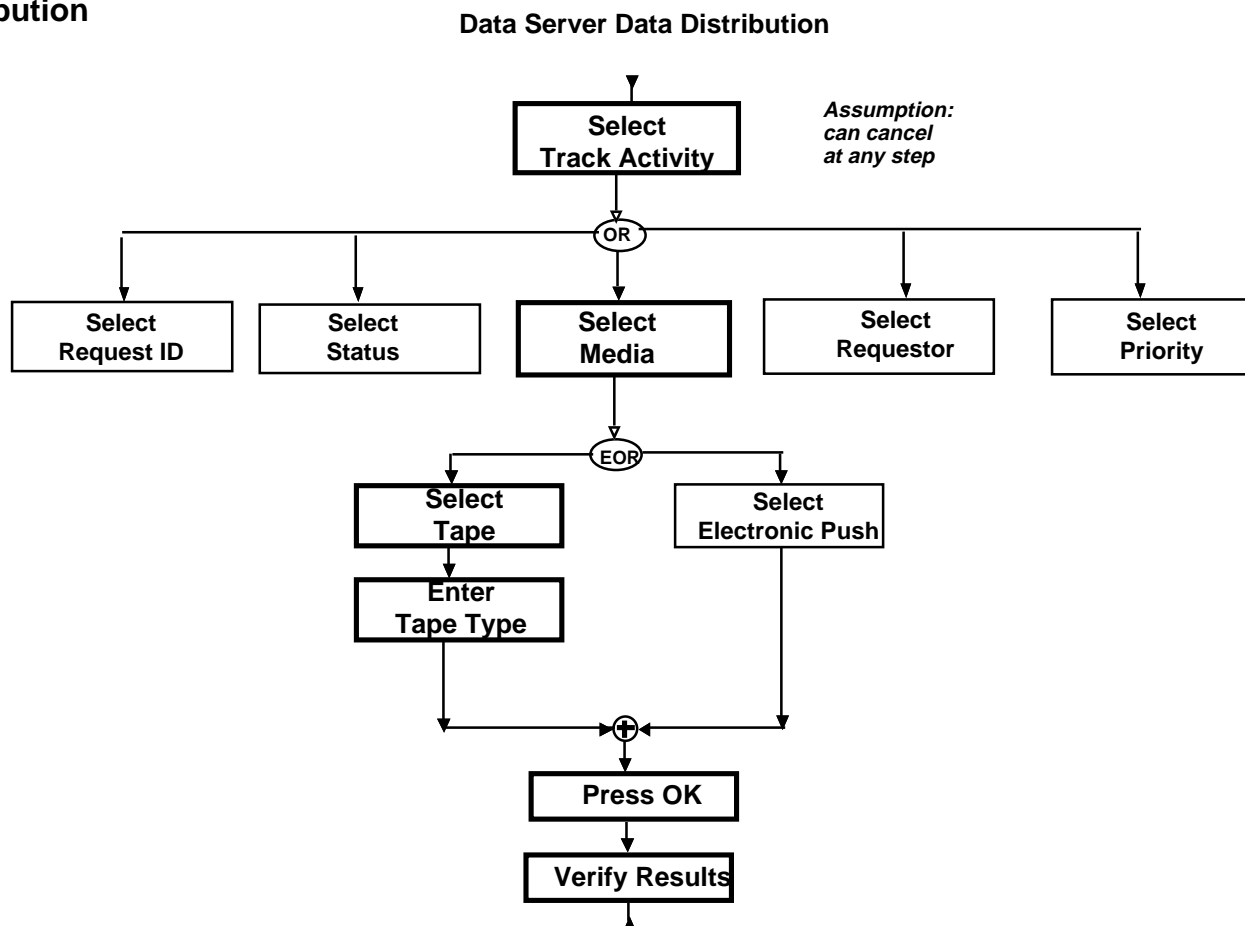
Science Data Distribution (Hard Media) Activities Points of View



Science Data Distribution Monitoring Workflow



Activity - Media Distribution
(writing to an 8mm tape)
Role - DAAC Ingest/Distribution
Technician



Science Data Distribution Data Activity



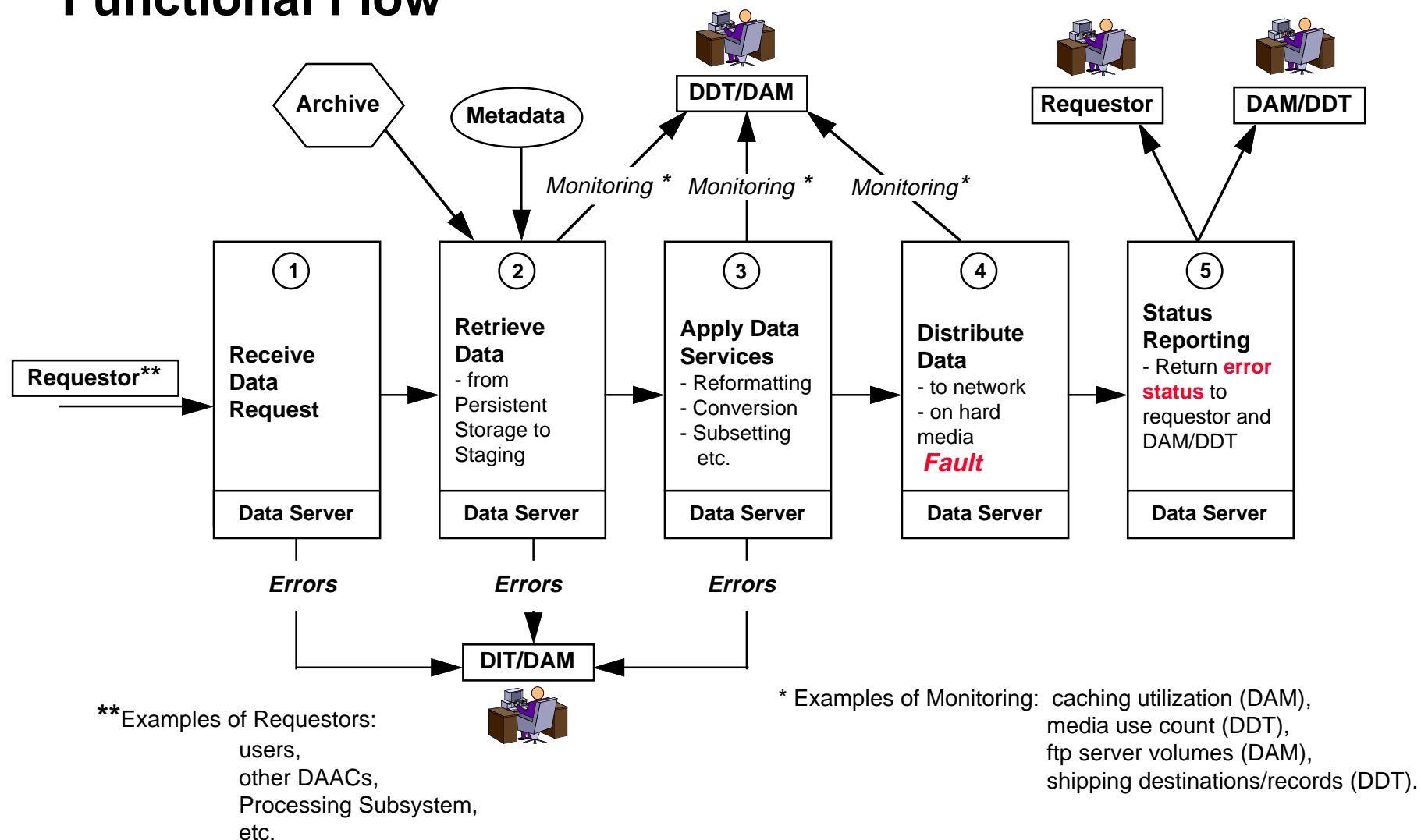
Distribution Operator Function	Data Element	Operator Interactions
Track Activity	Request ID Status Media Requestor Priority Size Time of Submission Number of Files Number of Volumes	Input Input Input Input Input Display Display Display Display

Science Data Distribution Activities

Data Push Fault



Functional Flow



Science Data Distribution Activities

Data Push Fault



Points of View

